

XP-002245385

AN - 1999-229801 [20]

AP - AU19980080776 19980818

CPY - WMCR-N

DC - E31 M25

DR - 1759-U

FS - CPI

IC - C22B3/04 ; C22B3/06 ; C22B3/08 ; C22B23/00

IN - CROSSLEY B; GERRANS T; HONEY D; MUIR D

MC - E31-A04 E35-A E35-U05 E35-W M25-G19

M3 - [01] A429 A940 C101 C108 C316 C540 C550 C730 C801 C802 C804 C805 M411
M781 M904 M905 N161 N163 N164 Q431 Q469 Q504 Q508 R023; R03549-K
R03549-R R03549-U

- [02] A429 C810 M411 M781 M904 M905 N161 N163 N164 Q431 Q469 Q504 Q508
R023; R05099-K R05099-R R05099-U

- [03] A429 C710 C810 M411 M417 M781 M904 M905 N161 N163 N164 Q431 Q469
Q504 Q508 R023; R07379-K R07379-R R07379-U

- [04] A429 A940 A960 C710 C730 M411 M417 M781 M904 M905 N161 N163 N164
Q431 Q469 Q504 Q508 R023; R06206-K R06206-R R06206-U

- [05] A429 A940 C108 C316 C540 C730 C801 C802 C803 C804 C805 M411 M781
M904 M905 M910 N161 N163 N164 Q431 Q469 Q504 Q508 R023; R01759-K
R01759-R R01759-U; 1759-U

- [06] A429 C810 M411 M720 M904 M905 N161 N163 N164 Q431 Q469; R05099-K
R05099-P

- [07] A428 C810 M411 M720 M904 M905 N161 N163 N164 Q431 Q469; R03084-K
R03084-P

- [08] A427 C730 C810 M411 M720 M904 M905 N161 N163 N164 Q431 Q469;
R03034-K R03034-P

- [09] A426 C810 M411 M720 M904 M905 N161 N163 N164 Q431 Q469; R03036-K
R03036-P

PA - (WMCR-N) WMC RESOURCES LTD

PN - AU8077698 A 19990225 DW199920 C22B3/04 044pp

PR - AU19970008653 19970818

XA - C1999-067694

XIC - C22B-003/04 ; C22B-003/06 ; C22B-003/08 ; C22B-023/00

AB - AU9880776 NOVELTY - In the preparation of a leach solution for
oxidative leaching of nickel sulfide concentrate, copper ions, readily
leachable copper salts compounds or copper metal is added to the leach
solution or the nickel sulfide concentrate such that the copper
catalyses the oxidative leaching of the nickel sulfide concentrate.

- DETAILED DESCRIPTION - A relatively high percentage of nickel and
other valuable metals can be recovered from the nickel sulfide
concentrate over a relatively short period of time.

- An INDEPENDENT CLAIM is included for the oxidative leaching of a
nickel sulfide concentrate.

- USE - For oxidative leaching of nickel and other valuable metals from
nickel sulfide concentrate.

- ADVANTAGE - The process is relatively quick and inexpensive and
recovers a high percentage of nickel and other valuable metals.

- DESCRIPTION OF DRAWING(S) - The graph shows a base plot of nickel
extraction versus grind size for a blended nickel sulfide concentrate
without copper addition, using Mt Keith (MKO) and Leinster (LNO)

process water.

- (Dwg.1/18)

CN - R03549-K R03549-R R03549-U R05099-K R05099-R R05099-U R07379-K
R07379-R R07379-U R06206-K R06206-R R06206-U R01759-K R01759-R
R01759-U R05099-P R03084-K R03084-P R03034-K R03034-P R03036-K R03036-P

DRL - 1759-U

IW - LEACH SOLUTION PREPARATION OXIDATION LEACH NICKEL CONCENTRATE

IKW - LEACH SOLUTION PREPARATION OXIDATION LEACH NICKEL CONCENTRATE

INW - CROSSLEY B; GERRANS T; HONEY D; MUIR D

NC - 001

OPD - 1997-08-18

ORD - 1999-02-25

PAW - (WMCR-N) WMC RESOURCES LTD

TI - Leach solution preparation for oxidative leaching of nickel sulfide
concentrate